

WHAT IS CLAIMED IS:

1. A polymer composition comprising
 - (A) from 60 to 80 weight percent of a mixture of at least one homogeneously branched polyethylene and at least one heterogeneously branched polyethylene wherein the mixture of (A) comprises from 40 to 75 weight percent of the homogeneously branched polyethylene and from 25 to 60 weight percent of the heterogeneously branched polyethylene, and
 - (B) from 20 to 40 weight percent of at least one polymer having a melt strength at least twice that of mixture (A).
2. deleted
3. The composition of claim 1 wherein the homogeneously branched polyethylene is an interpolymer of ethylene and at least one C3-C20 alpha-olefin.
4. The composition of claim 1 wherein the heterogeneously branched polyethylene has a molecular weight distribution, Mw/Mn, from 3 to 6.
5. The composition of claim 1 wherein the mixture of (A) has a melt index, I₂ (ASTM D-1238 condition 190°C/2.16 Kg), from 10 grams/10 minutes to 30 grams/10 minutes.
6. The composition of claim 1 wherein the mixture of (A) has a density (ASTM D-792) of from 0.88 grams/cubic centimeter to 0.92 grams/cubic centimeter.
7. The composition of claim 1 wherein the mixture of (A) has at least 3 melting peaks on a differential scanning calorimetry curve.
8. The composition of claim 1 wherein the homogeneously branched polyethylene has a molecular weight distribution, Mw/Mn, from 1.5 to 3.
9. The composition of Claim 1, wherein the mixture of (A) comprises from 50 to 60 weight percent of the homogeneously branched polyethylene and from 40 to 50 weight percent of the heterogeneously branched polyethylene.
10. The composition of claim 1 wherein (B) is selected from the group consisting of low density polyethylene, ethylene/carboxylic acid copolymers, ionomers of ethylene/carboxylic acid copolymers, ethylene vinyl acetate copolymers, high melt strength polypropylene homopolymer, and high melt strength polypropylene copolymer.
11. A film layer made from a polymer composition, the composition comprising
 - (A) from 60 to 80 weight percent of a mixture of at least one homogeneously branched polyethylene and at least one heterogeneously

branched polyethylene wherein the mixture of (A) comprises from 40 to 75 weight percent of the homogeneously branched polyethylene and from 25 to 60 weight percent of the heterogeneously branched polyethylene and

(B) from 20 to 40 weight percent of at least one polymer having a melt strength at least twice that of mixture (A).

12. deleted,.

13. The film layer of claim 11, wherein the homogeneously branched polyethylene is an interpolymer of ethylene and at least C3-C20 alpha-olefin.

14. The film layer of claim 11, wherein the heterogeneously branched polyethylene has a molecular weight distribution, Mw/Mn, from 3 to 6.

15. The film layer of claim 11, wherein the mixture of (A) has a melt index, I₂ (ASTM D-1238 condition 190°C/2.16 Kg), from 10 grams/10 minutes to 30 grams/10 minutes.

16. The film layer of claim 11, wherein the mixture of (A) has a density (ASTM D-792) of from 0.88 grams/cubic centimeter to 0.92 grams/cubic centimeter.

17. The film layer of claim 11, wherein the mixture of (A) has at least 3 melting peaks on a differential scanning calorimetry curve.

18. The film layer of claim 11, wherein the homogeneously branched polyethylene has a molecular weight distribution, Mw/Mn, from 1.5 to 3.

19. The film layer of claim 11, wherein the mixture of (A) comprises from 50 to 60 weight percent of the homogeneously branched polyethylene and from 40 to 50 weight percent of the heterogeneously branched polyethylene.

20. A fabricated article comprising the film layer of claim 11.

21. The composition of claim 1 wherein component (B) comprises at least one polymer selected from the group consisting of: low density polyethylene, linear low density polyethylene, high density polyethylene, blends thereof, polypropylene homopolymer, polypropylene random copolymer, styrene/butadiene copolymer, polystyrene, ethylene-vinyl acetate copolymer and cyclic-olefin copolymer.

22. The film layer of claim 11 further comprising at least one other layer.

23. The film layer of claim 11 wherein (B) is selected from the group consisting of low density polyethylene, ethylene/carboxylic acid copolymers, ionomers of ethylene/carboxylic acid copolymers, ethylene vinyl acetate copolymers, high melt strength polypropylene homopolymer, and high melt strength polypropylene copolymer.

24. A film comprising at least two layers, one layer being made from a polymer composition, the composition comprising

(A) a mixture of at least one homogeneously branched polyethylene and at least one heterogeneously branched polyethylene wherein the mixture of (A) comprises from 40 to 75 weight percent of the homogeneously branched polyethylene and from 25 to 60 weight percent of the heterogeneously branched polyethylene and one other layer comprising

(B) at least one other polymer having a melt strength at least twice that of the mixture of (A).

25. A polymer composition comprising

(A) from 60 to 80 weight percent of an ethylenic polymer having at least three melting peaks and

(B) from 20 to 40 weight percent of at least one polymer having a melt strength at least twice that of (A).

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